

DERWENT-ACC-NO: 1993-364765

DERWENT-WEEK: 199346

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TITLE: Resin-coated steel sheet, for container has  
polyester resin film on surface which faces inside of  
container, having good processability and heat resistance,  
etc.

INVENTOR: NISHIDA H; OYAGI Y ; YOKOYA H

PATENT-ASSIGNEE: NIPPON STEEL CORP [YAWA]

PRIORITY-DATA: 1992JP-097392 (March 25, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
JP 05269920 A	October 19, 1993	JA

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 05269920A	N/A	1992JP-097392
March 25, 1992		

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPP	B29C55/12	20060101
CIPS	B32B1/02	20060101
CIPS	B32B15/08	20060101
CIPS	B32B15/09	20060101
CIPS	B65D1/12	20060101
CIPN	B29K67/00	20060101

ABSTRACTED-PUB-NO: JP 05269920 A

BASIC-ABSTRACT:

The resin-coated steel sheet has a polyester resin film at least on the surface which faces inside of container. The polyester resin film has a thermal shrinkage stress of lower than 30 gf/mm<sup>2</sup> in all planar directions and

the outermost layer of it has a surface orientation coefficient of higher than 0.02.

A steel sheet is heated to 180 to 240 deg.C and a biaxially oriented polyester film which has a thermal shrinkage stress of lower than 300 gf/mm<sup>2</sup> in all planar directions and forms an outermost layer having a surface orientation coefft. of higher than 0.5 is laminated by pressing on the surface of the steel sheet which faces inside of container and the laminated steel sheet is quenched to a temp. below glass transition point of the polyester film within 20 seconds after press bonding. The polyester resin film has a thickness of 5-50, pref. 10 to 30 microns.

ADVANTAGE - The polyester resin-coated steel sheet has good processability and good heat resistance and shows strong adhesion of resin film. It produces drawn can with high corrosion resistance after packing.

TITLE-TERMS: RESIN COATING STEEL SHEET CONTAINER POLYESTER FILM SURFACE FACE

PROCESS HEAT RESISTANCE

DERWENT-CLASS: A23 A32 A82 A92 M13 P73 Q32

CPI-CODES: A05-E01D3; A12-P01; M13-H05;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

017 ; P0839\*R F41; S9999 S1285\*R; S9999 S1581;

Polymer Index [1.2]

017 ; ND01; N9999 N5721\*R; N9999 N7192 N7023; N9999 N7147  
N7034 N7023;

N9999 N5823 N5812; B9999 B5618 B5572; B9999 B5243\*R B4740;  
B9999  
B5163 B5152 B4740; B9999 B5550 B5505; B9999 B4682 B4568; B9999  
B5301  
B5298 B5276; B9999 B4591 B4568; Q9999 Q8399\*R Q8366; Q9999  
Q7818\*R;  
K9712 K9676; K9687 K9676; K9698 K9676; K9552 K9483;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0231 1288 2368 2433 2439 2488 2513 2522 2547 2600 2601  
2607 2654

2667 2728 2774 2790 3252

Multipunch Codes: 04- 143 289 331 369 381 431 435 446 47& 477 494 502  
54& 541

545 547 575 596 597 600 604 608 724

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: 1993-161493

Non-CPI Secondary Accession Numbers: 1993-281918